

AMENDMENTS TO THE CLAIMS

Please **AMEND** claims 1, 9, and 12-15 as shown below.

Please **ADD** claims 16 and 17 as shown below.

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A metal fiber concrete mix based on cement, aggregates and water, which includes metal fibers having:
a diameter of between 1.15 mm and 1.8 mm[[,]];
an aspect ratio of between 35 and 45; and
in which the quantity of these metal fibers is such that their weight is at least 80 kg/m³ of hardened concrete.
2. (Original) The concrete mix as claimed in claim 1, in which the metal fibers have an aspect ratio of around 40.
3. (Previously Presented) The concrete mix as claimed in claim 1, in which the metal fibers have a length of between 45 and 65 mm.
4. (Previously Presented) The concrete mix as claimed in claim 1, in which the dosage of metal fiber is between 80 and 180 kg/m³.
5. (Previously Presented) The concrete mix as claimed in claim 1, in which the cement has a grain size of between 1 and 100 µm.
6. (Previously Presented) The concrete mix as claimed in claim 1, in which the aggregates comprise sand having a grain size of between 1 and 5 mm.

7. (Previously Presented) The concrete mix as claimed in claim 1, in which the aggregates comprise coarse elements with a size of between 5 and 25 mm.

8. (Previously Presented) The concrete mix as claimed in claim 1, in which the metal fibers are steel wire fibers.

9. (Currently Amended) The concrete mix as claimed in claim 1, in which the metal fibers have a straight, corrugated, ribbed or hooked shape, or a combination of ~~these shapes~~ two or more of the straight, corrugated, ribbed, and hooked shapes.

10. (Previously Presented) A metal fiber concrete element obtained by pouring and hardening a concrete mix as claimed in claim 1.

11. (Original) The concrete element as claimed in claim 10, which is obtained by pouring into a formwork or mold.

12. (Currently Amended) The concrete element as claimed in claim 10, said element having ~~a generally plane shape and~~ a slenderness ratio of up to 35, but containing no ~~conventional reinforcements~~ reinforcing bars.

13. (Currently Amended) ~~The use of a concrete element as claimed in claim 10, as wherein the concrete element is a structural or decorative element used in a construction, especially as a floor slab, shell, retaining wall, beam, column, foundation slab or raft.~~

14. (Currently Amended) ~~The use of a concrete mix as claimed in claim 1 for the construction, by pouring into a mold or formwork, a structural concrete element~~ A structural concrete element formed by pouring the concrete mix as claimed in claim 1 into a mold or formwork ~~such as a floor slab, a shell, a retaining wall, a foundation slab, a raft, a beam or a column.~~

15. (Currently Amended) The ~~use of a~~ concrete mix as claimed in claim 1 as is ready mixed concrete.

16. (New) The concrete element as claimed in claim 13, wherein the structural or decorative element is a floor slab, shell, retaining wall, beam, column, foundation slab or raft.

17. (New) The structural concrete element as claimed in claim 14, wherein the structural concrete element is a floor slab, shell, retaining wall, foundation slab, raft, beam or column.